

ITX8063

Information Systems Hacking Attacks and Defence

Administrative Notes

Communication

- Course **wiki**
<http://www.lambda.ee/index.php/ITX8063>
- Webpage for sharing large files:
<http://cs.tud.ttu.ee/itx8063/>
- No specific **e-mail list** for the course. General announcements will be sent to:
cybertallinn@googlegroups.com
- Kaur Kasak:
 - kaur.kasak@gmail.com
 - +372 52 17 946
- No chat

Grade Assignment

Preliminary Plans

- 35p - Practical Exercises
 - $(\text{nr of tasks completed} / \text{nr of tasks}) * 35\text{p}$
- 15p - Written Assignment (Report about specific exercises)
- 50p - Written Exam
- Bonus:
 - 50p - 5 most successful CTF participants
 - Up to 15p for Presentation on Web Application security
 - Overview of the problem (how to attack, how to defend), examples, demo on target system

Presentation Topics

- **Code Injection**
 - SQL injection
 - Injecting OS Commands (via Perl, PHP, ASP, etc)
 - SOAP, LDAP, Xpath Injection
- **Cross-Site Scripting**
- **Attacking Authentication and Session Management**
- **Cross-Site Request Forgery**
- Designing and Configuring **Transport Layer Security**
- **Web Application Hacker's Toolkit** (browsers, intercepting proxies, spiders, fuzzers and scanners, vulnerability scanners)